



# Advanced Polyurea & Polyaspartic **Coatings**

WEBSITE : [www.huisins.com](http://www.huisins.com)

**HUISINS**

# About Huisins

## company

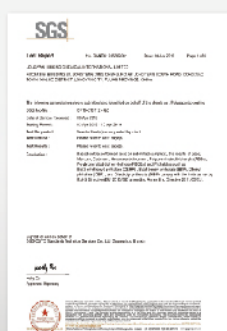
Huisins Coating was founded in 2005. We specialize in the manufacturing and export of top-quality protective coatings. Including polyurea coating series, polyaspartic coatings series and heavy anti-corrosion coatings series. After years of effort and development, we have become one of the leading coating manufacturers and suppliers in China. Our factory has been ISO-9001,ISO-14001 approved.

## product

The most product systems have been approved by CE,Fireproof(B1-s2), ROHS, REACH, ISO-12944,FDA , CCS,LR, DNV. The top-quality product are widely utilized on industrial floors,roof waterproofing,water parks,parking lots offshore platforms, ports and docks, bridges,petroleum and chemical engineering ,architecture etc.Our products have competitive prices and excellent quality, and enjoy a high reputation in the coating market at home and abroad. Our overseas market revenue is increasing year by year, and our customers are located in more than 20 countries around the world, including Germany, Austria, Czech Republic, Canada, Colombia, Mexico, Ukraine, Middle East, Vietnam, Philippines, etc.

## mission

We are on our mission to innovation and to the constant development of new products. Experienced application engineers and R&D department will always find a competent answer to protect customer' s most valuable assets. we always work in close cooperation with our customers.





## Concrete Roofing System

### » DESCRIPTION

The can be applied directly to the construction concrete roofing structures improving installation times and reducing costs. These reflective coatings can help reduce the amount energy consumption buildings use for heating and cooling. The fast cure time and insensitivity to moisture allows for a quicker installation with a wider application window.



### » Products Features

- \* Environmental protection, non-toxic
- \* Good weather resistance
- \* Seamless and jointless coating
- \* Excellent corrosion & waterproof protection
- \* Waterproof and decorative integration



### » Application Area

Various concrete roofing structures for civil, commercial, and factory buildings



## Product Systems

Product System	Product Name	FRD(KG/ m <sup>2</sup> )
Aromatic Polyurea Series	Epoxy Primer	0.25
	Spray Polyurea Waterproof Coating Hybrid/Pure	2
	Polyaspartic UV Topcoat	0.3
Aliphatic Polyurea Series	Epoxy Primer	0.3
	Pure Aliphatic Polyurea Topcoat	2.5
Polyaspartic Series	Epoxy Primer	0.25
	Polyaspartic Mortar Layer	0.6
	Polyaspartic Elastic Coating	0.6
	Polyaspartic UV Topcoat	0.3

## Stadium Stands System

### » DESCRIPTION

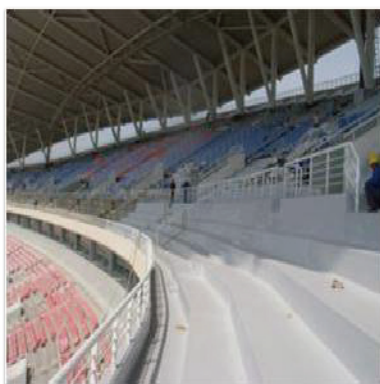
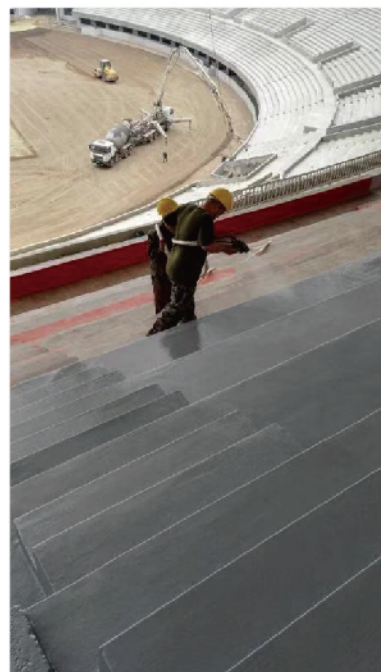
The construction of many large-scale sports facilities has increasingly high requirements on the waterproof, wear-resistant, and aesthetic properties of the stands. Compared with ordinary coatings, polyurea waterproof coatings have a longer service life and are non-toxic.

### » Products Features

- \* Environmental protection, non-toxic
- \* Excellent weather resistance
- \* Anti-cracking resistance, waterproof, Wear-resistant
- \* Various colors, good decoration performance

### » Application Area

Stadium stands, playground stands



## Product Systems

Product System	Product Name	FRD (KG/m <sup>2</sup> )
Polyaspartic Series	Epoxy Primer	0.25
	Spray Polyurea Waterproof Coating Hybrid/Pure	2
	Polyaspartic Topcoat UV Protection & Anti-slip	0.2

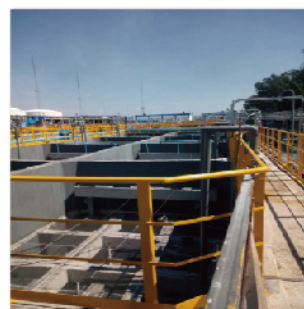
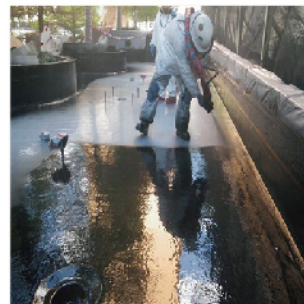


## Wastewater Treatment System

### » DESCRIPTION

Wastewater treatment facilities endure some of the most severe and corrosive environments in the water industry. These extreme service environments operate in situations of constant chemical exposure and heavy abrasion that result in deteriorated concrete and corroded steel in infrastructure assets.

Polyurea coatings & liners are the state-of-the-art technology for the demanding environments and chemical exposure that occur in wastewater and water utilities. Fast cure, chemical and abrasion resistant, concrete primary and secondary containment linings. polyurea outperforms traditional coatings in wastewater treatment plants.



### » Products Features

- \* Environmental protection, non-toxic
- \* Seamless and jointless coating
- \* Anti-cracking resistance, Wear-resistant
- \* Excellent corrosion protection
- \* Excellent chemical resistance



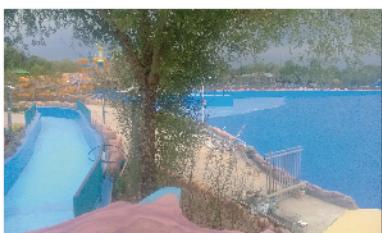
### » Application Area

wastewater treatment plant, Chemical plant, Garbage power plant, Domestic sewage treatment pool

## Product Systems

Product System	Product Name	FRD (KG/m <sup>2</sup> )
Polyurea Series	Epoxy Primer	0.25
	Spray Polyurea Waterproof Coating Hybrid/Pure	2.5
Polyaspartic Series	Epoxy Primer	0.25
	Polyaspartic Mortar Layer	0.6
	Polyaspartic Elastic Coating	0.6

## Water Park System



### » DESCRIPTION

Traditional water park waterproofing mainly adopts polyurethane waterproofing or coiled material waterproofing, the construction process is complicated and the long construction period is the disadvantage of traditional swimming pool waterproofing. At the same time, the surface needs to be laid with ceramic tiles for decoration. The laying of ceramic tiles has the following problems: high hardness, poor walking comfort, slippery places with water, and tiles falling off or cracking in some places, which is easy to hurt people and has great hidden safety risks. Combining the characteristics of the water park, we recommend using the polyaspartic polyurea coating system.

### » Prodcuts Features

- \* Environmental protection, non-toxic
- \* Impact resistance, Wear resistant
- \* Frost resistance, Strong environmental applicability
- \* Bright colors, Highly decorative
- \* Durable, excellent color retention

### » Application Area

water park, Paddling pool, Swimming pool, Ocean Pavilion

## Product Systems

Product System	Product Name	FRD (KG/m <sup>2</sup> )
Polyaspartic Series	Epoxy Premier	0.25
	Polyaspartic Mortar Layer	0.8
	Polyaspartic Elastic Anti-slip Topcoat	0.25
	Polyaspartic Elastic Varnish	0.15





## Flooring System



### » DESCRIPTION

Floors are used in many fields, and can be divided into many types according to different properties. Among them, epoxy floors and emery floors are more commonly used due to their high strength and economical price, but their toughness makes them easy to be impacted. Polyaspartic has excellent flexibility and wear resistance, which overcomes the shortcomings of some floor materials that are brittle and easy to damage, making Polyaspartic used in the field of floor engineering.

### » Products Features

- \* Solvent free
- \* Good wear resistance, 3-5 times wear resistance than epoxy coating
- \* Good impact resistance, good anti-cracking, good bridging performance
- \* Good UV resistance, anti-corrosion

### » Application Area

petrochemical, metallurgical machinery, food processing, pharmaceuticals, electronics, textiles, clothing, large supermarkets, pedestrian bridges and other floor projects.

## Product Systems

Product System	Product Name	FRD (KG/m <sup>3</sup> )
System 1	Epoxy Primer	0.25
	Spray Polyurea Waterproof Coating Hybrid/Pure	1.8
	Polyaspartic Wear-resistant	0.3
System 2	Epoxy Primer	0.25
	Polyaspartic Mortar Layer	0.6
	Polyaspartic Elastic Coating	0.6
	Polyaspartic UV Topcoat	0.2
System 3	Epoxy Primer	0.3
	Epoxy Self-leveling Topcoat	0.8
	Polyaspartic UV Topcoat	0.1
System 4	Epoxy Primer	0.3
	Polyaspartic clear	0.5
	Granite Rock	0.5-0.8
	Polyaspartic clear	0.6

## Parking Lot System

### » DESCRIPTION

Surfaces used for vehicle traffic have special requirements. Constant turning, acceleration and braking will test the endurance and surface adhesion of materials used in the construction of car parks, garages, vehicle dealerships and so on.

Polyaspartic are very durable and great for use in areas of high traffic, so Polyaspartic has always been an ideal choice for parking decks.



### » Products Features

- \* 3-5 times wear resistance than epoxy coating
- \* Elasticity, silencing
- \* Colorful (matte, half matte, bright luster)
- \* Good bonding capacity
- \* Good UV resistance, not fade, not power



## Product Systems

Product System	Product Name	FRD (KG/m²)
System 1	Epoxy Primer	0.25
	Spray Polyurea Waterproof Coating Hybrid/Pure	2.4
	Polyaspartic Wear-resistant	0.3
System 2	Epoxy Primer	0.25
	Polyaspartic Mortar Layer	0.8
	Polyaspartic Elastic Coating	0.8
	Polyaspartic Wear-resistant Topcoat	0.3
System 3	Epoxy Primer	0.3
	Epoxy Self-leveling Intermediate Coating	0.8
	Epoxy Self-leveling Topcoat	0.4
	Polyaspartic Wear-resistant Topcoat	0.35



## Traffic Tunnel System

### » DESCRIPTION

Traffic tunnel special fire retardant polyurea is a 100% solid content aromatic polyurea elastomer. It not only has excellent physical properties of polyurea, but also can extinguish right after being deviated from fire, now it has been widely applied in Chinese tunnel projects.

### » Prodcuts Features

- \* Solvent free, 100% solid content
- \* Fast cure, application site back to service quickly
- \* Excellent impact resistance, abrasion resistance
- \* Dense coating, seamless, with good flexibility
- \* Excellent waterproof performance
- \* Excellent resistance to temperature variation
- \* Good shock absorbing performance
- \* Excellent durability to reduce maintenance cost of service life



## Product Systems

Product System	Product Name	FRD (KG/m²)
Polyurea Series	Epoxy Pmrier	0.25
	Spray Pure Polyurea Waterproof Coating	3.6



## Steel Roofing System

### » DESCRIPTION

Polyurea coatings make an excellent protective covering for roofs. They can be applied directly to the construction steel roofing structures improving installation times and reducing costs. The fast cure time and insensitivity to moisture allows for a quicker installation with a wider application window.

### » Product Features

- Environmental protection, non-toxic
- \* Good weather resistance
- \* Seamless and jointless coating
- \* Excellent corrosion & waterproof protection
- \* Waterproof and decorative integration
- \*

### » Application Area

Various metal roofing structures for civil, commercial, and factory buildings



## Product Systems

Product System	Product Name	FRD KG m²
Polyurea Series	Epoxy Mastic Ntc Aluminium Primer	0.25
	Spray Polyurea Waterproof Coating Hybrid/Pure	1.8–2.4
	Polyaspartic UV Topcoat	0.3
Polyaspartic Series	Epoxy Mastic Ntc Aluminium Primer	0.25
	Putty Layer	0.6
	Polyaspartic Elastic Coating	0.6
	Polyaspartic UV Topcoat	0.3





## Pipe System

### » DESCRIPTION

Strong, durable pipes are vital to your success. As any pipe ages, the negative effects of water, harsh chemicals, extreme weather conditions, and normal wear-and-tear cause them to corrode and abrade—leading to lower quality performance and increased maintenance costs. Polyurea is a great protective coating system for pipes. Many projects use polyurea to line the inside of water and sewer pipes for infrastructure rehabilitation work.

### » Products Features

- \* Environmental protection, non-toxic
- \* Good weather resistance
- \* Seamless and jointless coating
- \* Moisture Insensitivity
- \* Excellent corrosion & waterproof protection

## Product Systems

Product System	Product Name	FRD (KG/m <sup>2</sup> )	Remark
Polyurea Series	Sandblasting		
	Epoxy Zinc Rich Primer	0.25	
	Spray Polyurea Waterproof Coating Hybrid/Pure	2/2.5	
	Polyaspartic UV Topcoat	0.3	Outside



## Wind Power System

### » DESCRIPTION

Alongside traditional solvent-based products, Huisins has developed alternative polyaspartic coatings for tower surfaces. Our paint systems meet EN ISO 12944 and can provide the correct paint systems for towers in different environments, including onshore and offshore wind turbine towers.

### » Product Features

- \* high solids , low carbon environmental protection
- \* Excellent resistance to water,acid,alkali,oil and other media,strong salt fog resistance
- \* Excellent weather resistant,non yellowing,no cracking,long service life  
excellent impact resistance and freeze-thaw resistance
- \* Simple construction,brushing,spraying and roller

### » Application Area

Anti-corrosion of wind power equipment towers and foundation frame



## Product Systems

Product System	Application Area	Product Name	Thickness ( um )
System 1	Outer surface of tower	Epoxy Zinc Rich Primer	50
		Epoxy high build anticorrosive coating	140
		Recoatable Polyurethane UV Topcoat	50
	Inner surface of Tower	Epoxy Zinc Rich Primer	50
		Epoxy high build anticorrosive coating	140
System 2	Outer surface of tower	Epoxy Zinc Rich Primer	50
		Epoxy high build anticorrosive coating	140
		Polyaspartic UV Topcoat PH9503	50
	Inner surface of Tower	Epoxy Zinc Rich Primer	50
		Epoxy high build anticorrosive coating	140





Aircraft factory workshop floor



Anti-Corrosion of Wind turbine towers



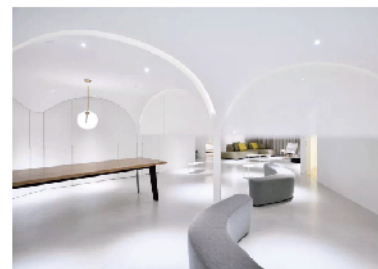
Anti-Corrosion of foundation frame



Anti-corrosion of Power plant



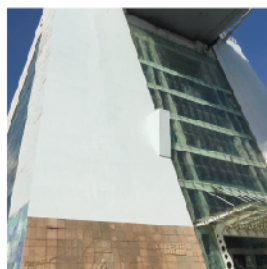
Civil building roof waterproofing



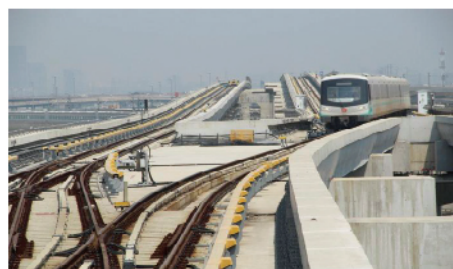
Commercial floor



Exhibition hall flooring applications



Haicang Bridge Waterproof Repair



High-speed rail waterproof



hydropower station



oil storage tank



Parking garage flooring



Workshop Floor

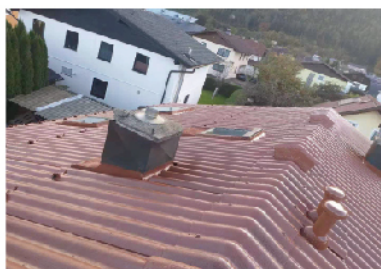


waterproofing of Hydropower station dam



Waterproof of Sewage Treatment Pool





Roofing repair and waterproof



Pharmaceutical factory floor



power station floor



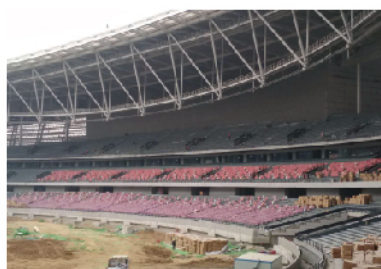
roofing waterproof repair



Shenzhen Baoan Airport



Space Observatory



sports stands



Water park decoration and waterproof



Water park decoration and waterproof



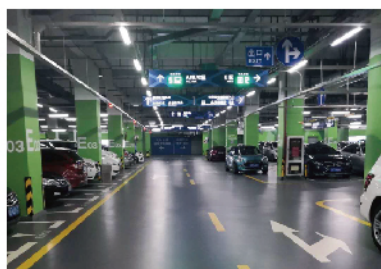
hydropower station



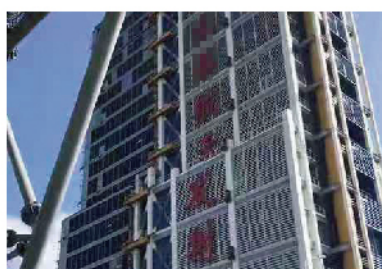
oil storage tank



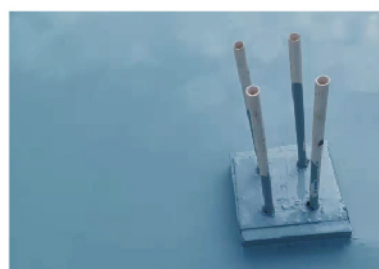
Parking garage flooring



parking lot floor



satellite launch center



School building roof



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